



Royalton

VT 14 Bridge #27 and #28

Royalton Bridge #27 and #28 – BRS 0147(13)

Project Location: Town of Royalton in Windsor County on VT 14 over the 2nd Branch of the White River. The bridges are located approximately 1.5 miles north of the intersection of VT 107 and VT 14.

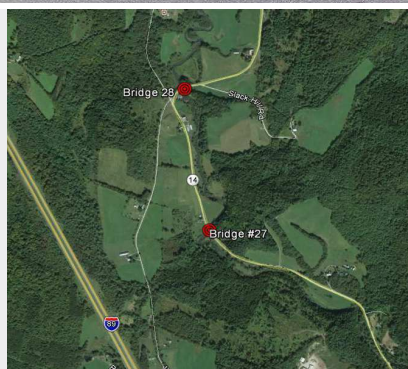
The Royalton VT 14 Bridge 27 and 28 project includes the replacement of bridge 27 and bridge 28 on VT 14.

The new bridge 27 was constructed during the 2014 construction season and is now open to traffic. Prior to construction in 2014, Bridge 27 was a three span, two lane concrete T-beam structure, 105-feet in length and 24-feet wide. It is a new 135-foot span bridge with steel girders and a concrete deck. The new bridge rail is a steel and concrete combination with an aesthetic treatment to meet the historic standards of the existing bridge. The new bridge is 30-feet wide with the roadway width increased to 28-feet across the bridge. The increased width will better accommodate traffic as well as provide additional room for bicyclists.

The remaining portion of the project will replace the existing bridge 28, which has a sub-standard width and is in poor condition, with a new bridge that meets current design standards. The existing Bridge 28 bridge is a three span, concrete T-beam structure and is 107-feet in length and 25-feet wide. The bridge superstructure (deck and beams) components are in poor condition. There are areas of spalling and chipping on the fascia and underside of the concrete beams and the bridge deck is in need of replacement.

Bridge 28 will consist of a new 120-foot long single span, curved steel girder structure with a concrete deck. The substructure will consist of two concrete abutments that will sit on bedrock. The bridge will have new concrete “Texas” style railing that looks similar to the existing historic bridge rail. The bridge width will be increased by 5 feet resulting in a rail-to-rail width of 28-feet to improve vehicle safety and also provide room for bicycles.

Bridge 28 will be constructed during the 2015 construction season. A temporary bridge is currently in place to maintain traffic while bridge 28 is being constructed.



PROJECT MILESTONES

Preliminary Plans

Spring 2010

Permitting

Spring 2012

Final Design

Winter 2013

Right-of-Way Complete

Summer 2013

Bid Advertisement

Fall 2013

Contract Award

Fall 2013

Target Construction Schedule

Bridge 27 Completed 2014

Bridge 28 Fall 2015



Existing Bridge #28



Target Construction Schedule: Bridge 27 was constructed in 2014 and is now open to traffic. Construction of Bridge 28 began in the fall of 2014 with the installation of the temporary bridge. Work continued through the winter; the existing bridge was demolished and excavation for the new bridge abutments took place. It is anticipated that Bridge 28 will be completed during the summer of 2015 with the project scheduled to be completed September 18th, 2015.

Contractor: The Contractor for VT 14 Bridges 27 and 28 is Winterset, INC.

Cost: The two bridges 27 and 28, including a cattle pass, are being completed as a single construction project. Bids were opened on November 22nd, 2013 and the low bidder was Winterset, INC. at \$4.0 million.



Bridge #27—Looking up stream



Completed Bridge #27



Bridge #28 Temporary Bridge



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